

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Ki-Hyun KIM et al.

Application No.: Not assigned yet

Group Art Unit: Not yet assigned

Ref: PCT/KR2004/003079

Int'l Application filed November 26, 2004

Filed: May 26, 2006

Examiner: Not yet assigned

For: ERROR CORRECTION METHOD AND APPARATUS FOR LOW DENSITY PARITY  
CHECK

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☒ Copies of IDS citations, except for U.S. Patents and U.S. Patent Application publications.
- 1c. ☒ English language copy of a communications from a foreign Patent Office or a PCT International Search Report.
- 1d. ☐ English language translation (Abstract only) attached to non-English language publications as indicated on the attached Form PTO-1449.
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication.

2. ☐ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is  
(Check appropriate Items 2a, 2b, 2c and/or 2d)

- 2a. ☐ satisfied for the non-English language publication(s) cited on the enclosed "English language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP § 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, 8th Ed., Rev. 2)

IAP9 Rec'd PCT/PTO 26 MAY 2006

- 2b. ☐ set forth in the application.
- 2c. ☐ an English language translation (Abstract only) attached to each non-English language publication as indicated on the attached Form PTO-1449.
- 2d. ☐ enclosed as Attachment 1(e), hereto.
3. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

Respectfully submitted,

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<b>FORM PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>LIST OF REFERENCES CITED BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>	ATTORNEY DOCKET NO.	APPLICATION NO.
	0001.1176	Not assigned yet
	FIRST NAMED INVENTOR	
	Ki-Hyun KIM et al.	
	FILING DATE	GROUP ART UNIT
	May 26, 2006	Not yet assigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	2003/0074626	4/17/2003	Coker et al			
	AB	6,633,856	10/14/2003	Richardson et al			
	AC						
	AD						
	AE						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
	AF	WO 02/37731	5/10/2002	WIPO			
	AG	WO 2005/053215	6/9/2005	WIPO			
	AH						
	AI						
	AJ						

## OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

			TRANSLATION YES NO	
	AK	PCT International Search Report issued February 25, 2005 re: International Application No. PCT/KR2004/003079 (3 pp)		
	AL	MacKay, David J.C., "Good Error-Correcting Codes Based on Very Sparse Matrices," <i>IEEE Transactions on Information Theory</i> , Vol. 45 No. 2, March 1999 (pp 399-431)		
	AM	Richardson, Thomas J. and Rüdiger L. Urbanke, "Efficient Encoding of Low-Density Parity-Check Codes," <i>IEEE Transactions on Information Theory</i> , Vol. 47, No 2, February 2001 (pp 638-656)		

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.